

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Alessandro BARAZZETTI : **Mail Stop: PCT**  
Serial No. NEW : Attorney Docket No. 2004-1123A  
Filed July 16, 2004 :

AIRCRAFT GPS INSTRUMENTATION  
SYSTEM AND RELATIVE METHOD  
[Corresponding to PCT/EP03/00349  
Filed January 15, 2003]

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicant requests consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

☒ each U.S. Patent and U.S. Patent application publication (*for U.S. National applications filed after June 30, 2003 and International applications that have entered U.S. National Stage after June 30, 2003*),

☐ each reference previously cited in the international application  
PCT/\_\_\_\_\_; and/or

☐ each reference previously cited in prior parent application Serial No.  
\_\_\_\_\_.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

ATTACHMENT C }

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

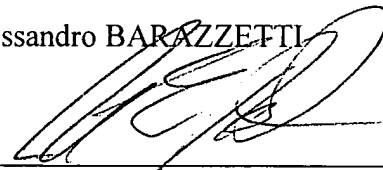
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
  - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
  - c. ☐ the concise explanation contained in the specification of the present application at page,
  - d. ☐ the concise explanation set forth in the attached English language abstract,
  - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Alessandro BARAZZETTI

By



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July 16, 2004

Sheet 1 of 1

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: July 16, 2004

ATTY DOCKET NO.  
2004-1123ASERIAL NO.  
NEW

10/501552

APPLICANT  
Alessandro BARAZZETTIFILING DATE  
July 16, 2004

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,256,583	1/2001	Sutton			
	AB						
	AC						
	AD						
	AE						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AJ	0908806A2	4/1999	EP			
	AK	99/03000	1/1999	WO			
	AL						
	AM						
	AN						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Frank Van Graas et al., "GPS Interferometric Attitude and Heading Determination: Initial Flight Test Results", Navigation, Institute of Navigation, Washington, DC, US, vol. 38, no. 4, December 1, 1991, pgs. 297-316, XP000195769, ISSN: 0028-1522, abstract, pg. 304, last paragraph page 307, paragraph 4.
	AP	John B. Schleppe, "Development of A Real-Time Attitude System Using a Quaternion Parameterization and Non-Dedicated GPS Receivers", Department of Geomatics Engineering, University of Calgary, 'Online! July 1996, XP002247909, Calgary, Canada, Retrieved from the Internet: <URL:http://www.geomatics.ucalgary.ca/Papers/Thesis/GL/96.20096.JSchleppe.pdf> 'retrieved on July 16, 2003! page iii: Abstract, pgs. 85-96: Chapter 6: Attitude System Design and Implementation.
	AQ	Charles E. Hall, Jr. "A Real-Time Linux System for Autonomous Navigation and Flight Attitude Control of an Uninhabited Aerial Vehicle", 20 <sup>th</sup> DASC. 20 <sup>th</sup> Digital Avionics Systems Conference (CAT. No. 01CH37219), 20 <sup>th</sup> DASC. 20 <sup>th</sup> Digital Avionics Systems Conference, Proceedings, Daytona Beach, FL, USA, October 14-18, 2001, pgs. 1.A.1-1-9, vol. 1, XP002247910, 2001 Piscataway, NJ, USA, IEEE, USA, ISBN: 0-7803-7034-1, the whole document.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.